

### Amendments to the Specification

All amendments are shown with deleted text struckthrough or double bracketed and new text underlined. Each amendment is designated by the paragraph number in squared brackets as given in U.S. Patent Application Publication No. 2005/0074613.

Please replace the first sentence of Paragraph [0074] with the following sentence:

Table 2 reflects that the degree of functionality for these compounds is at least about one moiety to forty ~~[[fortoy]]~~ carbon atoms, and typically at least about one moiety to thirty carbon atoms.

Please replace the sixth sentence of Paragraph [0095] with the following sentence:

The light source for the photochemically induced reaction may be any wavelength, and typically is an ultraviolet or visible ~~[[visable]]~~ wavelength.

Please replace the second sentence of Paragraph [0110] with the following sentence:

Thus, the linkages between the polymer matrix and the nanotubes could be ether, thioether, amine, salt bridge (such as SWNT-11 is an amine containing ~~[[contaning]]~~ host polymer) or other linkages.